



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, February 3, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit Modification Approval for Tesla 3H
47-103-03661-00-00

Extended Lateral Length

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: Tesla 3H
Farm Name: Harrison County Coal Resources & EQT Production C₊
U.S. WELL NUMBER: 47-103-03661-00-00
Horizontal 6A New Drill
Date Modification Issued: 2/3/2025

Promoting a healthy environment.

02/07/2025

WW-6B
(04/15)

API NO. 47-103 - 03661
OPERATOR WELL NO. 3H
Well Pad Name: Tesla

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Production Company 306686 Wetzel Grant Glover Gap
Operator ID County District Quadrangle

2) Operator's Well Number: 3H Well Pad Name: Tesla

3) Farm Name/Surface Owner: Harrison County Coal Resources & EQT Production Company Public Road Access: CR-21

4) Elevation, current ground: 1,320' (built) Elevation, proposed post-construction: 1,320' (built)

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,670', 79', 2,620 psi

8) Proposed Total Vertical Depth: 7,670'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,796'

11) Proposed Horizontal Leg Length: 12,698'

12) Approximate Fresh Water Strata Depths: 171', 278'

13) Method to Determine Fresh Water Depths: Offset Wells - 049-00113, 049-00094, 049-00505

14) Approximate Saltwater Depths: 2,033', 2,108', 2,568', 3,276'

15) Approximate Coal Seam Depths: 1,187'-1,193'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No _____

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(a) If Yes, provide Mine Info: Name: Harrison County Mine
Depth: 1,187'-1,193'
Seam: Pittsburgh
Owner: Harrison Coal County Resources, Inc.

CK # 607349
2500⁰⁰
11/13/2024

WW-6B
(04/15)

API NO. 47-¹⁰³ - 03661
 OPERATOR WELL NO. ^{3H} _____
 Well Pad Name: Tesia

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	26	New	A252	85.6	53	53	45 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1243	1243	1135 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2605	2605	1000 ft ³ / CTS
Production	5 1/2	New	P-110	20	21796	21796	500' above intermediate casing
Tubing							
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	26	30	0.312	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8 - 12 1/4	0.352	3520	2816	Class A/H/L	1.04 - 1.20
Production	5 1/2	8 3/4 - 8 1/2	0.361	14360	11488	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				DEC 16 2024
Depths Set:				WV Department of Environmental Protection

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 42.88 acres (built)

22) Area to be disturbed for well pad only, less access road (acres): 6.55 acres (built)

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers – One centralizer at the shoe and one spaced every 500’.
- Intermediate: Bow spring centralizers– One centralizer at the shoe and one spaced every 500’.
- Production: One solid body centralizer spaced every other joint from production casing shoe to landing point. One solid body centralizer spaced every joint from landing point to planned top of cement.

24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives
Surface: Calcium Chloride. Used to speed the setting of cement slurries
Intermediate: Calcium Chloride. Used to speed the setting of cement slurries. If applicable: Gas Migration Control Additive, Cement Retarder
Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder, Anti-Settling/Suspension Agent

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25) Proposed borehole conditioning procedures:

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Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

West Virginia Department of Environmental Protection

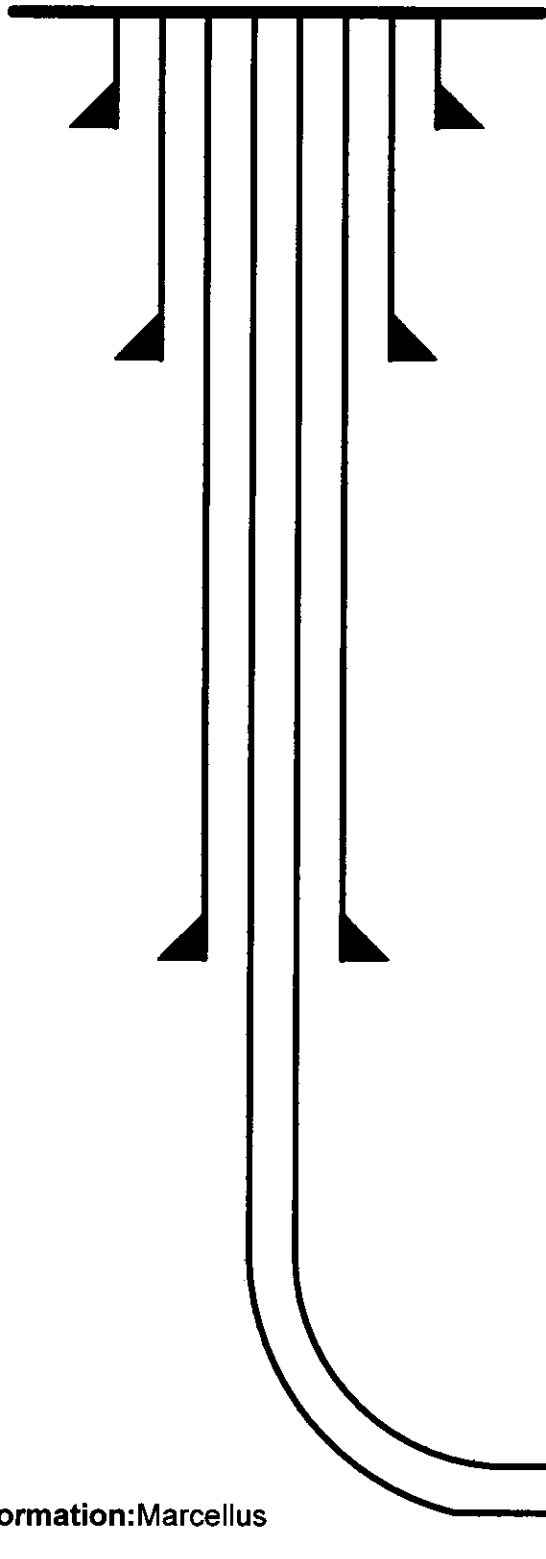
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Tesla 3H
Pad: Tesla
Elevation: 1320' GL 1333' KB

County: Wetzell
State: West Virginia



Conductor @ 53'

26", 85.6#, A252, cement to surface w/ Class A/L

Surface @ 1,243'

13-3/8", 54.5#, J-55, cement to surface w/ Class A/L

Intermediate @ 2,605'

9-5/8", 36#, J-55, cement to surface w/ Class A/H/L

Production @ 21,796' MD / 7,670' TVD

5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L

Formation: Marcellus

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Stephen
Mccoy

Digitally signed by
Stephen Mccoy
Date: 2024.11.25
10:27:47 -05'00'

02072025 SCALE

EQT Production Company
Hydraulic Fracturing Monitoring Plan
Pad ID: Tesla
County: Wetzel

November 22, 2024

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Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the Tesla pad: 1H, 3H, 5H, 7H, 9H, 11H, 13H 15H and 17H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

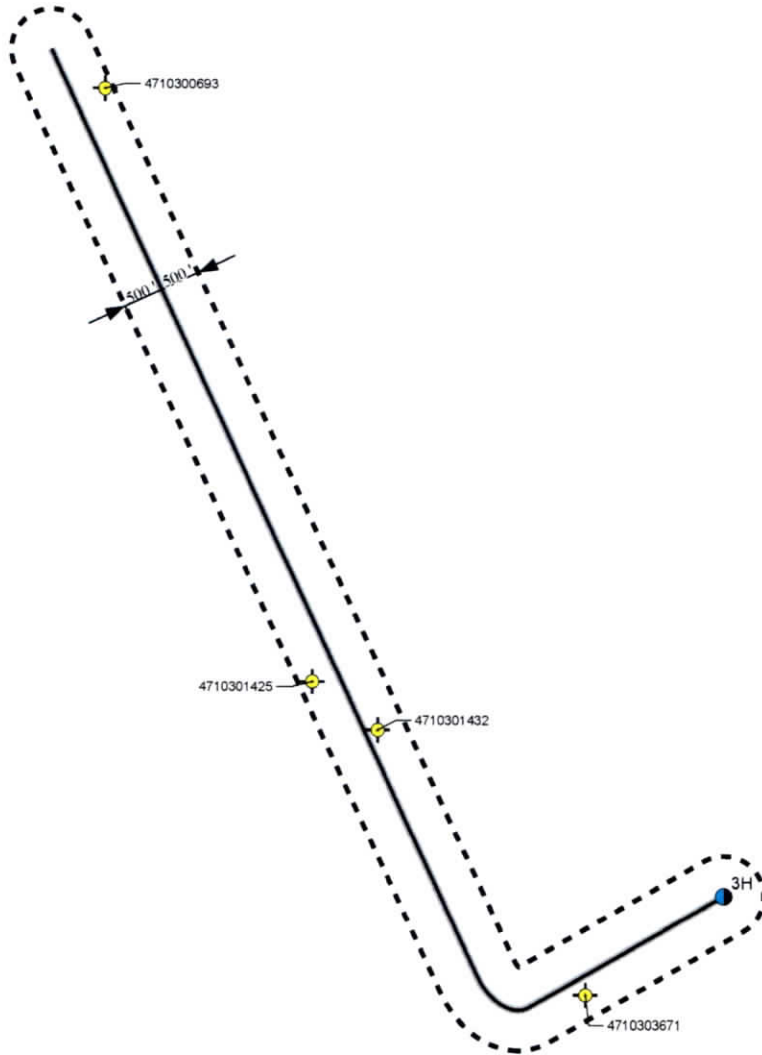
EQT will recommend to these operators at a minimum to:

1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves or other necessary equipment for wellhead integrity capable of a pressure recommended by EQT
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

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Legend	
	Wells
	TeslaTophole
	Tesla Lateral
	Tesla Lateral Buffer 500

SHEET: 1 OF 1	AREA OF REVIEW (AOR) PLAT		
SCALE: 1" = 1,500 feet	Well (Farm) Name: Tesla		
DATE: 11/20/2024	Well #: 3H	DEP ID#:	
	1,500	0	1,500
Wetzel County, WV			Feet

PREPARED FOR:

PREPARED BY:

32 East Main Street
Carnegie, PA 15108
412-378-2100
412-278-2128 Fax

No.	Revisions	Date

02/07/2025

PermitID	WellType	WellUse	WellDepth	RespParty	WellStatus	FarmName	WellNumber	WellX	WellY	Formation
103-03671	Vertical	Not Available	Not Available	WEST VIRGINIA LAND RESOURCES, INC.	Permit Application	DALLISON LUMBER IN WEST VIRGINIA LAND		543820	4373465	NA
103-01432	Vertical	Gas Production	Not Available	WEST VIRGINIA LAND RESOURCES, INC.	Abandoned Well	PRICE, J. E.	3	543008.62	4374455.8	NA
103-01425	Vertical	Oil Production	Not Available	BIG SAND DRILLING COMPANY	Active Well	CUNNINGHAM, M. H.	1	542755.61	4374633.64	NA
103-00693	Vertical	Gas Production	Not Available	DIVERSIFIED PRODUCTION LLC	Abandoned Well	EVANS, E.	3863	541918.4	4376866.7	NA

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Tesla 3H
Tesla
EQT Production Company

TESLA 3H
BOTTOM HOLE
Lease No
124182000

Lease No
126979000

Lease No
227853001

Lease No
136869000

Lease No
175061000

Lease No
234942001

Lease No
235058001

Lease No
227853001

Lease No
227853001

Lease No
227851001

Lease No
129822001

Lease No
136839005

Lease No
129822001

Lease No
116086019

Lease No
129822001

Lease No
175061000

Lease No
112339008

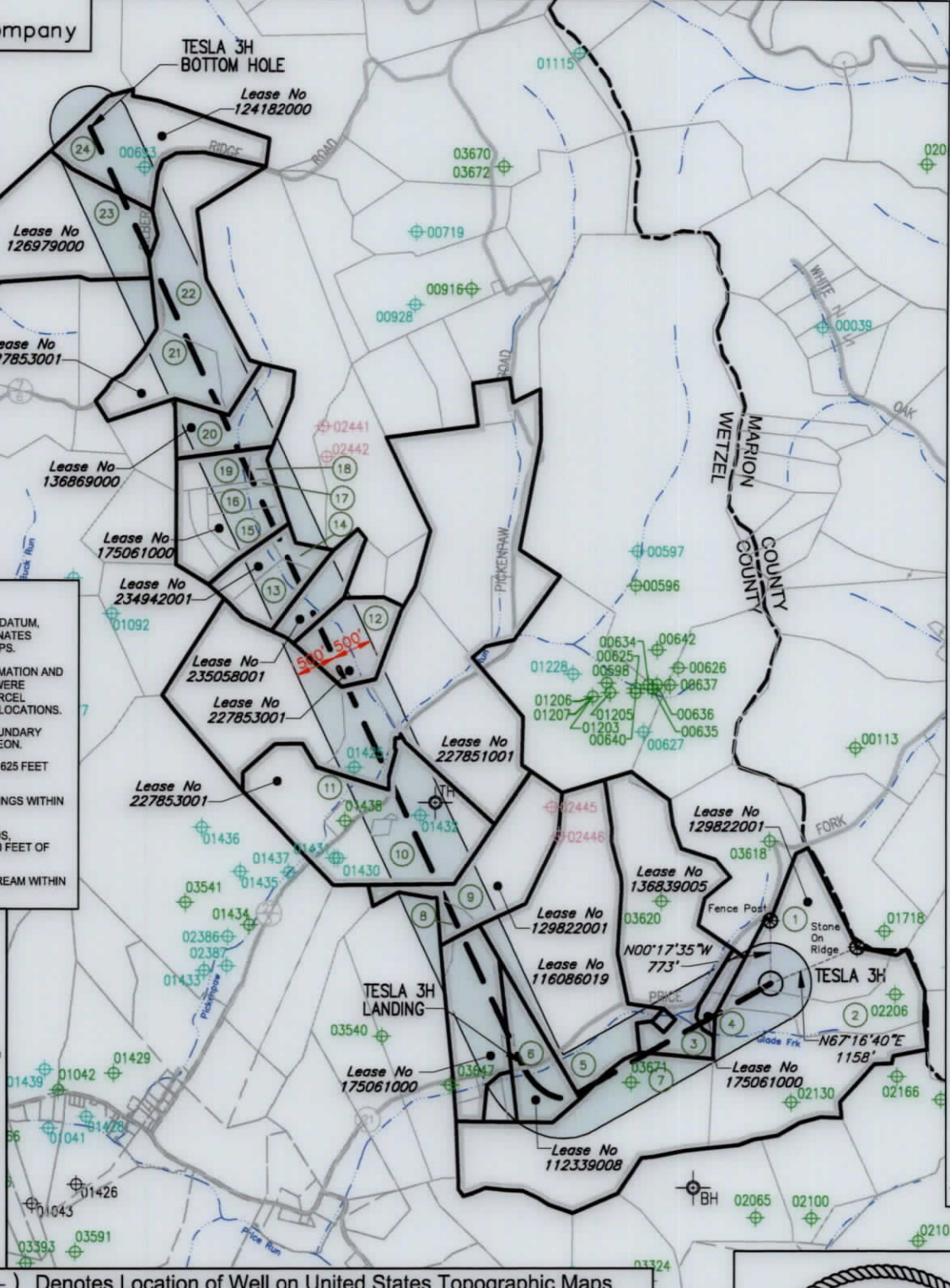
Lease No
175061000

NOTES ON SURVEY

1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

LEGEND

- Active Well Location
 - Plugged Well Location
 - Abandoned Well
 - Coal bed Methane Well
 - Surface Tract Identification
 - Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines (Surveyed)
 - Surface Tract Lines (Tax Map)
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - WV County Route
 - WV State Route
- () Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

J. Rowe
L. L. S. 2394



FILE NO:
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: November 5, 20 24
OPERATORS WELL NO: Tesla 3H
API WELL NO: 47 - 103 - 03661
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION ELEVATION: 1320' WATERSHED: Fishing Creek QUADRANGLE: Glover Gap

DISTRICT: Grant COUNTY: Wetzel

SURFACE OWNER: Harrison County Coal Resources & EQT Production Company ACREAGE: 47.3 ±

ROYALTY OWNER: William M. Peterson, Jr., et al. LEASE NO: 129822001 ACREAGE: 4,564 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,670'

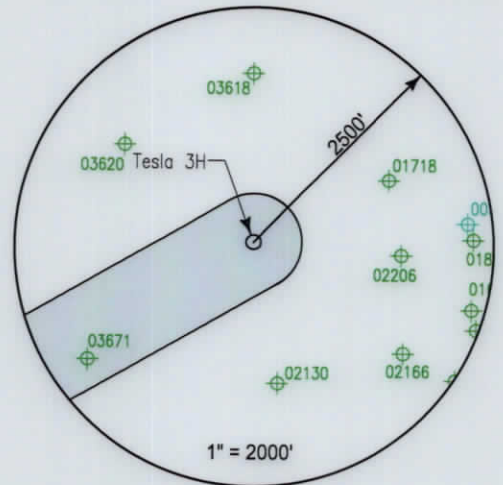
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow

ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 26301

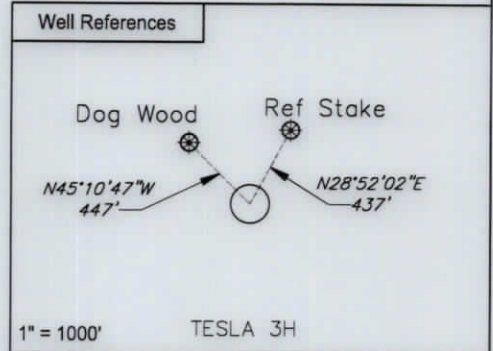
02/07/2025

Tesla 3H
Tesla
EQT Production Company

Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	31	1.0	Wetzel	Grant	Harrison County Coal Resources & EQT Production Company	47.30
2	31	2.0	Wetzel	Grant	Consolidation Coal Company	29.00
3	30	13.0	Wetzel	Grant	Brooks Lee & Lisa Kay Brown	75.00
4	31	2.2	Wetzel	Grant	Smith H L EST	26.00
5	30	12.0	Wetzel	Grant	Joseph Rex Smith	92.12
6	30	36.0	Wetzel	Grant	Phillip Bradley Starkey & Sharon L Myers	50.12
7	30	38.0	Wetzel	Grant	Dallison Lumber INC	137.80
8	30	10.0	Wetzel	Grant	Phillip Bradley Starkey & Sharon L Myers	4.00
9	30	11.0	Wetzel	Grant	Tall Timber INC	42.60
10	25	43.0	Wetzel	Grant	Mary Jane Pingley & Edna Colleen Wise	36.00
11	25	43.3	Wetzel	Grant	Margie Hawkins	30.00
12	25	36.0	Wetzel	Grant	Janet Rose Hillberry, & Clarence Hillberry Jr. & Margie Elane Hawkins	17.51
13	25	37.0	Wetzel	Grant	Tall Timber INC	13.00
14	25	27.3	Wetzel	Grant	Peter Parker	3.10
15	25	26.0	Wetzel	Grant	Tall Timber INC	8.00
16	25	27.0	Wetzel	Grant	Carolyn Lloyd et al	6.00
17	0	0.0	Wetzel	Grant	Unknown	0.00
18	25	28.0	Wetzel	Grant	Regina Rager et al	3.40
19	25	27.5	Wetzel	Grant	Tall Timber INC	7.00
20	25	19.0	Wetzel	Grant	Tall Timber INC	30.00
21	25	8.0	Wetzel	Grant	Shreve R G & G R	26.00
22	25	3.0	Wetzel	Grant	Tall Timber INC	74.00
23	25	2.0	Wetzel	Grant	Richard M & Mary G Underwood	84.50
24	20	15.0	Wetzel	Grant	EQM Gathering OPCO LLC	46.00



Lease	Owner	Acres
129822001	William M. Peterson, Jr., et al.	4,564 ac
175061000	OXY USA Inc., et al.	5.50 ac of 31,151.581 ac
136839005	Country Roads Minerals, LLC, et al.	76 ac
116086019	Stone Hill Minerals Holdings, LLC, et al.	92.12 ac
112339008	Janet Sue Layfield, et al.	20 ac
175061000	OXY USA Inc., et al.	40 ac of 31,151.581 ac
227851001	AMP IV, LP, et al.	530.25 ac
227853001	AMP V, LP, et al.	523 ac
235058001	J&N Management Enterprises, LLC, et al.	13 ac
234942001	J&N Management Enterprises, LLC, et al.	22 ac
175061000	OXY USA Inc., et al.	38 ac of 31,151.581 ac
136869000	Tall Timber, Inc.	30 ac
126979000	Elk Range Royalties II, LP, et al.	84.5 ac
124182000	Waco Oil & Gas Company, Inc., et al.	50 ac



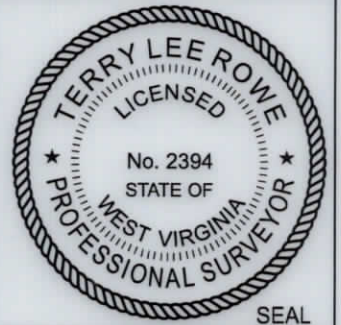
Notes:
 TESLA 3H coordinates are
 NAD 27 N: 370,490.457 E: 1,722,272.408
 NAD 27 Lat: 39.513036 Long: -80.484401
 NAD 83 UTM N: 4,373,847.642 E: 544,338.590
 TESLA 3H Landing Point coordinates are
 NAD 27 N: 369,505.426 E: 1,719,192.120
 NAD 27 Lat: 39.510239 Long: -80.495280
 NAD 83 UTM N: 4,373,531.885 E: 543,405.136
 TESLA 3H Bottom Hole coordinates are
 NAD 27 N: 381,013.666 E: 1,713,825.336
 NAD 27 Lat: 39.541668 Long: -80.514760
 NAD 83 UTM N: 4,377,010.714 E: 541,711.703
 West Virginia Coordinates system of 1927 (North Zone)
 based upon Differential GPS Measurements
 Plat orientation, Corner and well ties are based upon
 the grid north meridian
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

- TESLA PAD**
- TESLA 17H 103-03668 ○
 - TESLA 15H 103-03667 ○
 - TESLA 13H 103-03666 ○
 - TESLA 11H 103-03665 ○
 - TESLA 9H 103-03664 ○
 - TESLA 7H 103-03663 ○
 - TESLA 5H 103-03662 ○
 - TESLA 3H 103-03661 ○
 - TESLA 1H 103-03660 ○



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

L. L. S. 2394
 L. L. S. 2394



FILE NO: _____
 DRAWING NO: _____
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: November 5, 20 24
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 SURFACE OWNER: Harrison County Coal Resources & EQT Production Company ACREAGE: 47.3 ±
 ROYALTY OWNER: William M. Peterson, Jr., et al. LEASE NO: 129822001 ACREAGE: 4,564 ±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,670'
 WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

02/07/2025

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Attachment				

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

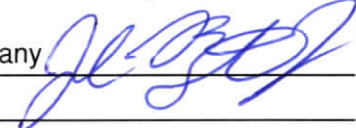
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Office of Oil and Gas

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WV Department of
Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company

By: John Zavatchan 

Its: Regional Manager - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>129822001</u>	<u>William M. Peterson, Jr., et al.</u>			"at least 1/8th per WV Code 22-6-8"	
	B. Walker Peterson and Nannie M. Peterson, his wife	4,564 ac	South Penn Oil Company		DB 35/588
	South Penn Oil Company		South Penn Natural Gas Company		OG 33A/455
	South Penn Natural Gas Company		South Penn Oil Company		DB 215/478
	South Penn Oil Company		Pennzoil Company		WV SOS
	Pennzoil Company		Pennzoil United, Inc.		DB 246/491
	Pennzoil United, Inc.		Pennzoil Company		WV SOS
	Pennzoil Company		Pennzoil Products Company		DB 319/397
	Pennzoil Company		Pennzoil Products Company		DB 322/577
	Pennzoil Products Company		Cobham Gas Industries, Inc.		OG 76A/704
	Cobham Gas Industries, Inc., et al		Prima Oil Company, Inc., a wholly owned subsidiary of Trans Energy, Inc.		OG 84A/112 & 121A/830
	Cobham Gas Industries, Inc., et al		Prima Oil Company, Inc., a wholly owned subsidiary of Trans Energy, Inc.		OG 87A/190
	Trans Energy, Inc.		Republic Partners VI, LP		OG 98A/512
	Trans Energy, Inc., Prima Oil Company, Inc.		Republic Partners VI, LP		OG 111A/942
	Trans Energy, Inc., Prima Oil Company, Inc., American Shale Development, Inc.		Republic Partners VI, LP		OG 136A/784
	Republic Partners VI, LP		Republic Energy Ventures, LLC		OG 112A/549
	Trans Energy, Inc.		Republic Energy Ventures, LLC		OG 120A/737
	Trans Energy, Inc., Prima Oil Company, Inc., American Shale Development, Inc.		Republic Energy Ventures, LLC		OG 136A/777
	Prima Oil Company		Trans Energy, Inc.		OG 130A/150
	Trans Energy, Inc.		American Shale Development, Inc.		OG 130A/196
	Republic Energy Ventures, LLC and Republic partners, VIII, LLC		EQT Production Company		OG 179A/281
	Prima Oil Company		American Shale Development, Inc.		WV SOS
	American Shale Development, Inc.		EQT Production Company		DB 464/353

<u>175061000</u>	<u>OXY USA Inc., et al.</u>	5.50 ac of	"at least 1/8th per WV Code 22-6-8"	
BRC Appalachian Minerals I LLC BRC Appalachian Minerals I, LLC BRC Minerals LP BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties, LLC Antero Resources Corporation	31,151.581 ac	BRC Working Interest Company LLC BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC SWN Exchange Titleholder, LLC SWN Production Company, LLC Antero Exchange Properties, LLC Antero Exchange Properties, LLC Antero Resources Corporation EQT Production Company		OG 102A/505 OG 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. Book 13/296 OG 177A/533 OG 177A/738 Corp. Book 13/311 Agreement dated February 26, 2024
<u>136839005</u>	<u>Country Roads Minerals, LLC, et al.</u>	76 ac	"at least 1/8th per WV Code 22-6-8"	
Margaret J. Bates, a married woman dealing in her sole and separate property	EQT Production Company	OG 178A/49		
<u>116086019</u>	<u>Stone Hill Minerals Holdings, LLC, et al.</u>	92.12 ac	"at least 1/8th per WV Code 22-6-8"	
Stone Hill Minerals Holdings, LLC	EQT Production Company	OG 382A/664		
<u>112339008</u>	<u>Janet Sue Layfield, et al.</u>	20 ac	"at least 1/8th per WV Code 22-6-8"	
Jeffrey K. Layfield, attorney-in-fact for Janet Sue Layfield and James Robert Layfield, wife and husband	EQT Production Company	OG 340A/378		

175061000	<u>OXY USA Inc., et al.</u>	40 ac of 31,151.581 ac	BRC Working Interest Company LLC BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC SWN Exchange Titleholder, LLC Antero Exchange Properties, LLC Antero Resources Corporation	"at least 1/8th per WV Code 22-6-8"	OG 102A/505 OG 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. Book 13/296 OG 177A/533 OG 177A/738 Corp. Book 13/311 OG 231A/22
227851001	<u>AMP IV, LP, et al.</u>	530.25 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 320A/454 & OG 362A/499
227853001	<u>AMP V, LP, et al.</u>	523 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 320A/456
235058001	<u>J&N Management Enterprises, LLC, et al.</u>	13 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 352A/291
234942001	<u>J&N Management Enterprises, LLC, et al.</u>	22 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 350A/27

175061000	<u>OXY USA Inc., et al.</u>	38 ac of 31,151.581 ac	BRC Working Interest Company LLC	"at least 1/8th per WV Code 22-6-8"	OG 102A/505
	BRC Appalachian Minerals I LLC		BRC Working Interest Company, LLC		OG 103A/320
	BRC Appalachian Minerals I, LLC		Chesapeake Appalachia, L.L.C.		OG 103A/470
	BRC Minerals LP		Statoil USA Onshore Properties, Inc.		OG 120A/109
	BRC Working Interest Company, LLC		SWN Production Company, LLC		OG 157A/540
	Chesapeake Appalachia, L.L.C.		SWN Exchange Titleholder, LLC		OG 158A/801
	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC		Corp. Book 13/296
	Statoil USA Onshore Properties, Inc.		Antero Exchange Properties, LLC		OG 177A/533
	SWN Exchange Titleholder, LLC		Antero Exchange Properties, LLC		OG 177A/738
	SWN Production Company, LLC		Antero Resources Corporation		Corp. Book 13/311
	Statoil USA Onshore Properties, Inc.		EQT Production Company		OG 231A/22
	Antero Exchange Properties, LLC				
	Antero Resources Corporation				
136869000	<u>Tall Timber, Inc.</u>	30 ac	Antero Resources Corporation	"at least 1/8th per WV Code 22-6-8"	OG 200A/269
	Tall Timber, Inc.		EQT Production Company		OG 231A/59
	Antero Resources Corporation				
126979000	<u>Elk Range Royalties II, LP, et al.</u>	84.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 250A/184
	Ridgetop Royalties, LLC				
124182000	<u>Waco Oil & Gas Company, Inc., et al.</u>	50 ac	Hope Natural Gas Company	"at least 1/8th per WV Code 22-6-8"	DB 111/450
	E. B. Evans and J. T. Koen		Consolidated Gas Supply Corporation		DB 233/387
	Hope Natural Gas Company		Consolidated Gas Transmission Corporation		OG 66A/69
	Consolidated Gas Supply Corporation		CNG Transmission Corporation		CB 13/151
	Consolidated Gas Transmission Corporation		Eastern States Oil & Gas, Inc.		OG 76A/232
	CNG Transmission Corporation		Equitable Production - Eastern States Oil & Gas, Inc.		CB 13/14
	Eastern States Oil & Gas, Inc.		Equitable Production Company		CB 13/14
	Equitable Production - Eastern States Oil & Gas, Inc.		EQT Production Company		CB 13/14
	Equitable Production Company				

Force Pool Tract(s) Within Lease Boundaries